```r
#Human paramters (Re-estimated CVL 2017)
#Metabolism is based on deterministic estimates from Nelder-Mead
algorithm
#Km was fixed to human liver km


parms <-c(
BW = 70.0 ,      # Body weight
QPC = 27.75 ,      # Unscaled Alveolar Vent
QCC = 12.89 ,      # Unscaled Cardiac Output
QLC = 0.227 ,    # Flow to Liver as % Cardiac Output
QFC = 0.052  ,   # Flow to Fat as % Cardiac Output
QSC = 0.191  ,   # Flow to Slow as % Cardiac Output
QKC = 0.175  ,   # Flow to Kidney as % Cardiac Output (Brown et. al.
1997)
VLC = 0.0257 ,   # Volume Liver as % Body Weight
VLUC = 0.008 ,   # Volume Lung as % Body Weight
VFC = 0.27  ,    # Volume Fat as % Body Weight
VRC = 0.0533 ,    # Volume Rapid Perfused as % Body Weight
VSC = 0.4   ,   # Volume Slow Perfused as % Body Weight
VKC = 0.0044 ,    # Volume Kidney as % Body Weight (Brown et. al. 1997)
PL = 1.44 ,     # Liver/Blood Partition Coefficient
PLU = 2.92 ,     # Lung/Blood Partition Coefficient
PF = 28.38 ,     # Fat/Blood Partition Coefficient
PS = 0.99  ,    # Slow/Blood Partition Coefficient
PR = 2.64 ,     # Rapid/Blood Partition Coefficient
PB = 4.54 ,     # Blood/Air Partition Coefficient
PK = 2.64 ,     # Kidney/Blood Partition Coefficient
MW = 88.5  , # Molecular weight (g/mol)
VMAXC = 20.2317 , # Scaled VMax for Oxidative Pathway:Liver
KM = 0.0398  ,  # Km for Oxidative Pathway:Liver
VMAXCLU = 0.0191,  # Scaled VMax for Oxidative Pathway:Lung
KMLU = 0.0398 ,    # Km for Oxidative Pathway:Lung
KFLUC = 0.0  ,   # Pseudo-first order clearance in lung (Km
unidentifiable)
VMAXCKid = 0.0 , # Scaled VMax for Oxidative Pathway:Kidney
KMKD = 0.0398  ,  # Km for Oxidative Pathway :Kidney
TSTOP = 7.0 ,
CONC = 0.0     # Initial concentration (ppm)
)
```